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The diagram illustrates a mechanical assembly in cross-section. Key components and features include:

- 1**: Vertical shaft or tube.
- 2**: Horizontal plate or flange.
- 3**: Central bore of the shaft.
- 4**: Sleeve or outer casing around the shaft.
- 5**: Flange or mounting bracket.
- 6**: Dimension indicating the distance from the centerline to the outer edge of the sleeve.
- 7**: Dimension indicating the thickness of the sleeve.
- 8**: Dimension indicating the diameter of the central bore.
- 9**: Dimension indicating the total height of the assembly.
- 10**: Dimension indicating the width of the horizontal plate.
- 11, 12**: Labels pointing to specific features on the sleeve.
- 13**: Label pointing to the inner surface of the sleeve.
- 14**: Label pointing to the outer surface of the sleeve.
- 15**: Label pointing to the bottom flange.
- 16**: Label pointing to the top flange.
- 17**: Label pointing to the central bore.
- 18**: Label pointing to the bottom flange.
- 19**: Label pointing to the bottom flange.
- 20, 21**: Labels pointing to the top flange.
- 22**: Label pointing to the central bore.
- 23**: Label pointing to the bottom flange.
- 24**: Label pointing to the bottom flange.
- 25**: Label pointing to the sleeve.
- 26**: Label pointing to the top flange.
- 27**: Label pointing to the sleeve.
- 28**: Label pointing to the sleeve.
- 29**: Label pointing to the sleeve.
- 30**: Label pointing to the top flange.
- 31**: Label pointing to the sleeve.
- 32**: Label pointing to the sleeve.
- 33, 37**: Labels pointing to the sleeve.
- 34**: Label pointing to the sleeve.
- 35**: Label pointing to the sleeve.
- 36**: Label pointing to the sleeve.
- 38**: Label pointing to the sleeve.
- 39**: Label pointing to the sleeve.
- 40**: Label pointing to the sleeve.
- 41**: Label pointing to the sleeve.
- 42**: Label pointing to the sleeve.
- 43**: Label pointing to the sleeve.
- 44**: Label pointing to the sleeve.
- 45**: Label pointing to the sleeve.
- 46**: Label pointing to the sleeve.
- in**: Label indicating internal feature.
- ex**: Label indicating external feature.
- P'**: Label pointing to a pressure point.
- V**: Label pointing to a volume or flow direction.
- R**: Label pointing to a radius or curvature.
- d**, **e**, **f**, **g**, **h**, **i**, **j**, **k**, **l**, **m**, **n**, **o**, **p**, **q**, **r**, **s**, **t**, **u**, **v**, **w**, **x**, **y**, **z**: Various dimension lines and labels.

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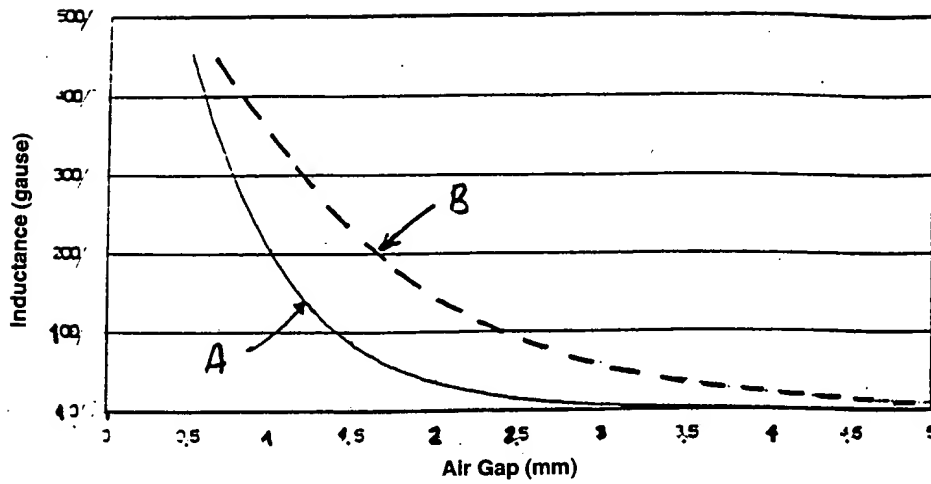


FIG. 3

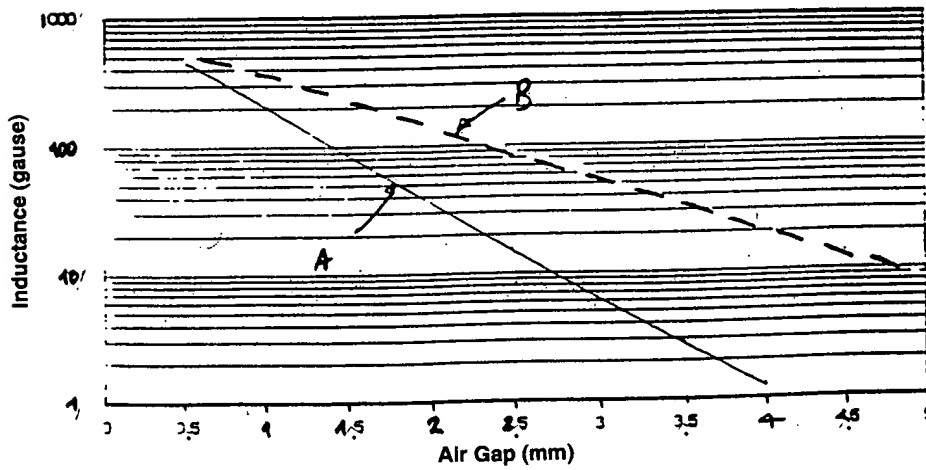


FIG. 4

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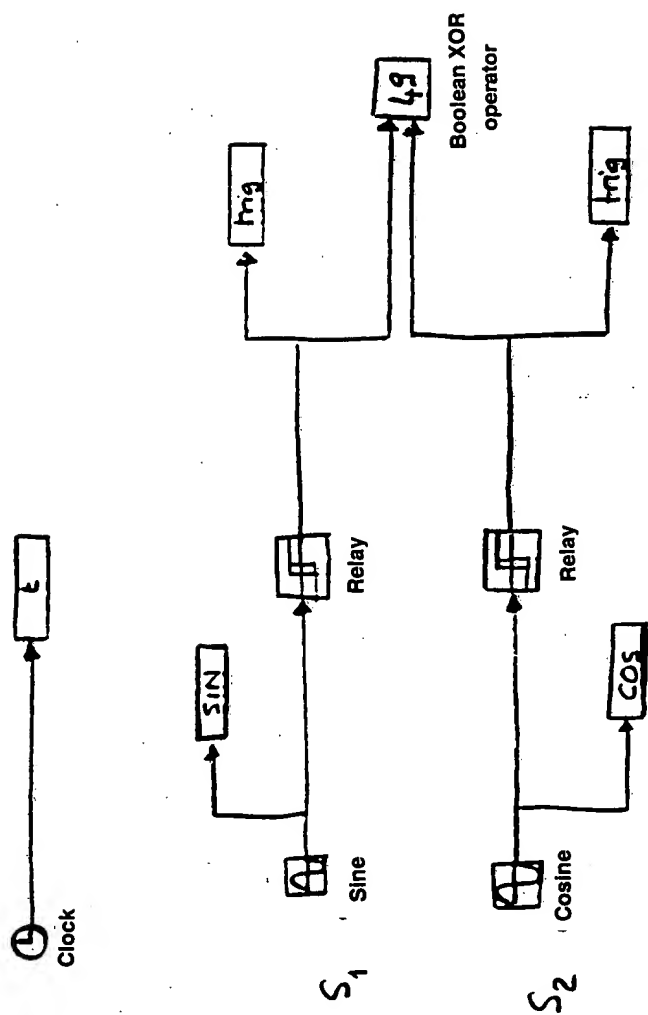


FIG. 5

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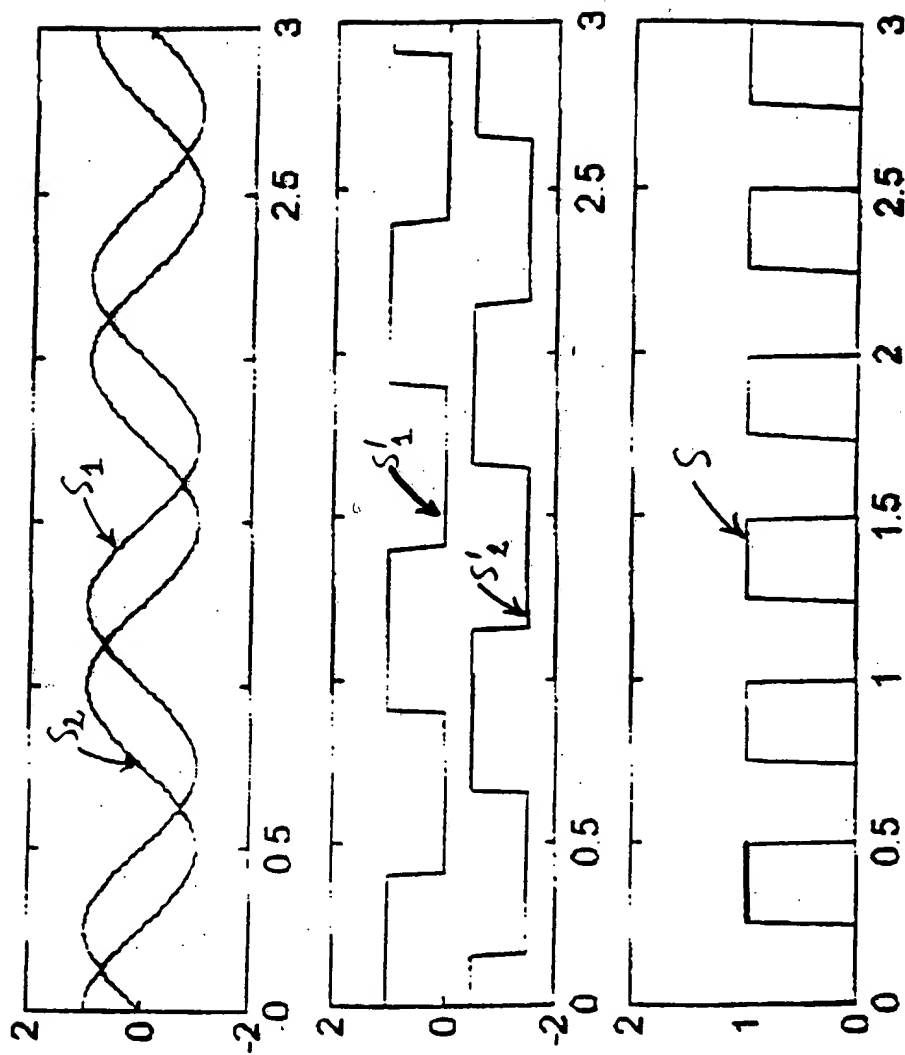


FIG. 6

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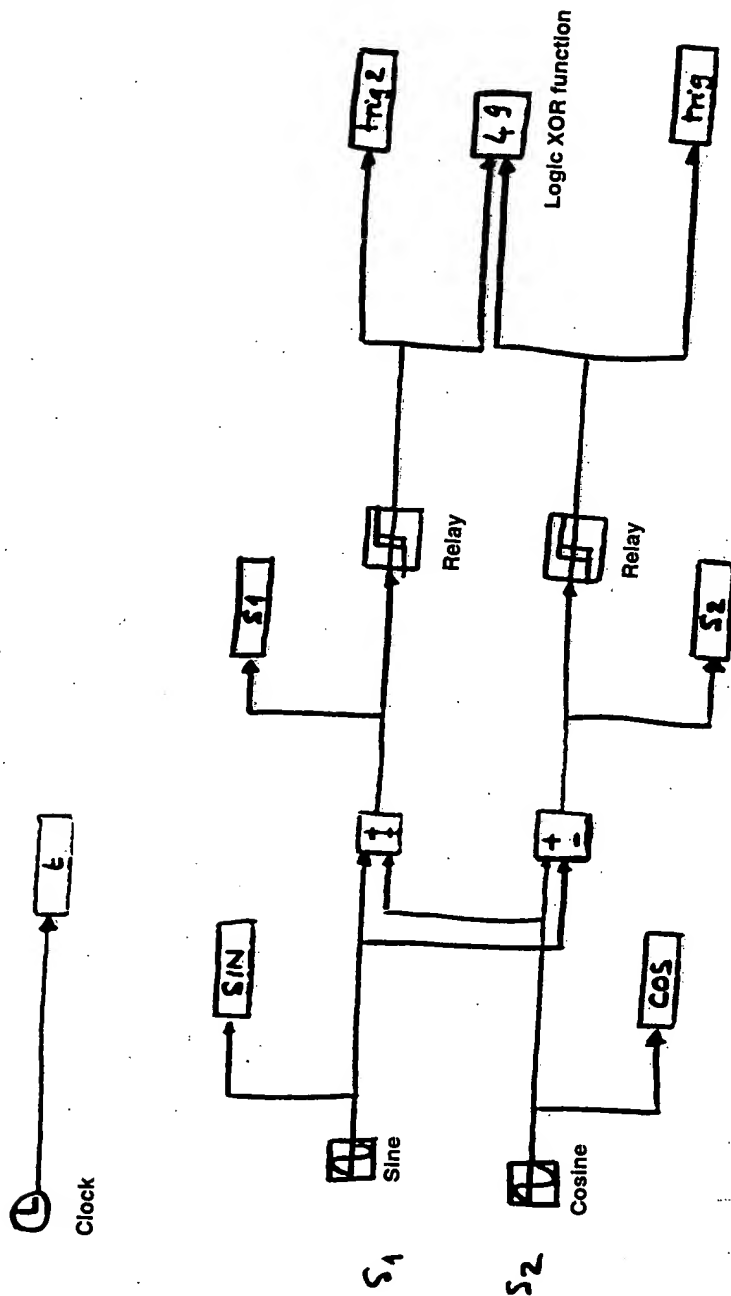


FIG. 7